

Secondary Mathematics Calculus

Prerequisite: Mastery of Pre-Calculus

Course Description

A course in calculus consists of a full academic year of work in calculus and related topics comparable to courses in colleges and universities. The *Advanced Placement Course Description for Calculus* for the current school year should be consulted to provide the teacher with a guide to the topics and concepts that should be included in the high school calculus course for an AB or BC program. This publication is updated annually and provides a descriptive outline of the course, detailing its content and the kinds of skills students are expected to demonstrate in the corresponding introductory college-level course. It also provides a description of the Advanced Placement examination, sample multiple-choice questions with an answer key, and sample free-response questions. The *Advanced Placement Course Description for Calculus* should be the guide, and the teacher is responsible for expanding the course to include applications and enrichment.

The *Advanced Placement Teacher's Guide in Calculus* is another publication that many teachers find helpful. It contains syllabi developed by high school teachers currently teaching the AP course and by college faculty who teach the equivalent course at their institutions. It also contains lesson plans, innovative teaching tips, and lists of recommended teaching resources.

Copies of the *Advanced Placement Course Description for Calculus* and the *Advanced Placement Teacher's Guide in Calculus* for the current year may be obtained from:

College Board Publications
Dept. CMC0400 A B C D
Two College Way
Forrester Center, WV 25438

Materials may be purchased online at www.collegeboard.com in the College Board Online Store. Additional information regarding the course and ancillary materials may be reviewed at <http://apcentral.collegeboard.com>.